RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 09/506,942 _____

Source: _____ IFW16 _____

Date Processed by STIC: _____ 08/01/2006 _____

ENTERED

RAW SEQUENCE LISTING   DATE: 08/01/2006
PATENT APPLICATION: US/09/506,942   TIME: 14:00:16

Input Set : N:\Crf3\RULE60\09506942.RAW.txt
Output Set: N:\CRF4\07312006\I506942.raw

```
 1 <110> APPLICANT: BALLOUL, Jean-Marc
 2        BIZOUARNE, Nadine
 3        KIENY, Marie-Paule
 4 <120> TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION FOR TREATING PAPILLOMA
 5        VIRUS
 6        TUMORS AND INFECTION
 7 <130> FILE REFERENCE: 017753-094
 8 <140> CURRENT APPLICATION NUMBER: US/09/506,942
 9 <141> CURRENT FILING DATE: 2000-02-18
10 <150> PRIOR APPLICATION NUMBER: US/09/043,933
11 <151> PRIOR FILING DATE: 1998-03-30
12 <150> PRIOR APPLICATION NUMBER: PCT/FR97/01412
13 <151> PRIOR FILING DATE: 1997-07-29
14 <150> PRIOR APPLICATION NUMBER: FR 96 09584
15 <151> PRIOR FILING DATE: 1996-07-30
16 <160> NUMBER OF SEQ ID NOS: 16
17 <170> SOFTWARE: PatentIn Ver. 2.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 36
21 <212> TYPE: DNA
22 <213> ORGANISM: Human papillomavirus
23 <400> SEQUENCE: 1
24       tctgagctgt catttaattg agttgtctct ggttgc                      36
26 <210> SEQ ID NO: 2
27 <211> LENGTH: 32
28 <212> TYPE: DNA
29 <213> ORGANISM: Human papillomavirus
30 <400> SEQUENCE: 2
31       tgtccagatg tctttgcagt ggcttttgac ag                         32
33 <210> SEQ ID NO: 3
34 <211> LENGTH: 35
35 <212> TYPE: DNA
36 <213> ORGANISM: Homo sapiens
37 <400> SEQUENCE: 3
38       tcagcccctg aattctgcgg acactgttat acagg                      35
40 <210> SEQ ID NO: 4
41 <211> LENGTH: 33
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 4
45       ttgaccctaa agatctgaag ccatgggcca cac                        33
47 <210> SEQ ID NO: 5
48 <211> LENGTH: 32
```

RAW SEQUENCE LISTING   DATE: 08/01/2006
PATENT APPLICATION: US/09/506,942   TIME: 14:00:16

Input Set : N:\Crf3\RULE60\09506942.RAW.txt
Output Set: N:\CRF4\07312006\I506942.raw

```
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Vaccinia virus
 51 <400> SEQUENCE: 5
 52      gggggggaat tcagtaaact tgactaaatc tt                          32
 54 <210> SEQ ID NO: 6
 55 <211> LENGTH: 39
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Vaccinia virus
 58 <400> SEQUENCE: 6
 59      ggggggggat ccgagctcac cagccaccga aagagcaat                    39
 61 <210> SEQ ID NO: 7
 62 <211> LENGTH: 32
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Vaccinia virus
 65 <400> SEQUENCE: 7
 66      ggggggggat ccggaaagtt ttataggtag tt                          32
 68 <210> SEQ ID NO: 8
 69 <211> LENGTH: 30
 70 <212> TYPE: DNA
 71 <213> ORGANISM: Vaccinia virus
 72 <400> SEQUENCE: 8
 73      gggggggaat tctttgtatt tacgtgaacg                             30
 75 <210> SEQ ID NO: 9
 76 <211> LENGTH: 78
 77 <212> TYPE: DNA
 78 <213> ORGANISM: Vaccinia virus
 79 <400> SEQUENCE: 9
 80      cttatacagg gcgtacactt tcccttctca atctctctcg agttgtattt attttcattt 60
 81      tttaagtata gaataaaa                                         78
 83 <210> SEQ ID NO: 10
 84 <211> LENGTH: 86
 85 <212> TYPE: DNA
 86 <213> ORGANISM: Vaccinia virus
 87 <400> SEQUENCE: 10
 88      agcttttat tctatactta aaaaatgaaa ataaatacaa ctcgagagag attgagaagg 60
 89      gaaagtgtac gccctgtata aggtac                                86
 91 <210> SEQ ID NO: 11
 92 <211> LENGTH: 39
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Vaccinia virus
 95 <400> SEQUENCE: 11
 96      atggtaccga attccatcta ccaattcatc caacaacat                   39
 98 <210> SEQ ID NO: 12
 99 <211> LENGTH: 41
100 <212> TYPE: DNA
101 <213> ORGANISM: Vaccinia virus
102 <400> SEQUENCE: 12
103      ggctgcagga tccgagctca tcatgacgtc ctctgcaatg g                41
105 <210> SEQ ID NO: 13
```

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/506,942**

DATE: 08/01/2006
TIME: 14:00:16

Input Set : **N:\Crf3\RULE60\09506942.RAW.txt**
Output Set: **N:\CRF4\07312006\I506942.raw**

```
106 <211> LENGTH: 32
107 <212> TYPE: DNA
108 <213> ORGANISM: Vaccinia virus
109 <400> SEQUENCE: 13
110      gggggggat cctgtgaatc atccattcca ct                              32
112 <210> SEQ ID NO: 14
113 <211> LENGTH: 33
114 <212> TYPE: DNA
115 <213> ORGANISM: Vaccinia virus
116 <400> SEQUENCE: 14
117      ggggggggaat tcgttactaa attgcaagga aat                           33
119 <210> SEQ ID NO: 15
120 <211> LENGTH: 69
121 <212> TYPE: DNA
122 <213> ORGANISM: Vaccinia virus
123 <400> SEQUENCE: 15
124      ctcaagtcag tgttgagatg atgctttgac aactcgagtt tattttcatt ttttaagtat 60
125      agaataaaa                                                        69
127 <210> SEQ ID NO: 16
128 <211> LENGTH: 77
129 <212> TYPE: DNA
130 <213> ORGANISM: Vaccinia virus
131 <400> SEQUENCE: 16
132      agctttttat tctatactta aaaaatgaaa ataaactcga gttgtcaaag catcatctca 60
133      acactgactt gaggtac                                               77
```

VERIFICATION SUMMARY   DATE: 08/01/2006
PATENT APPLICATION: **US/09/506,942**   TIME: 14:00:17

Input Set : **N:\Crf3\RULE60\09506942.RAW.txt**
Output Set: **N:\CRF4\07312006\I506942.raw**